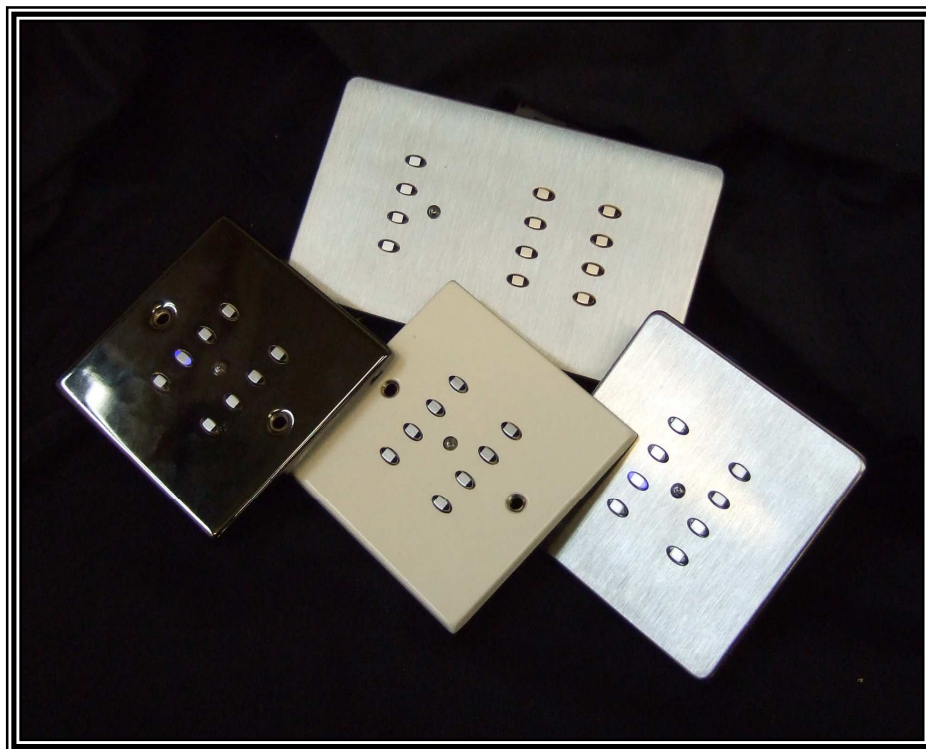


# Product Data Sheet

## Lucid Lighting Control Plates



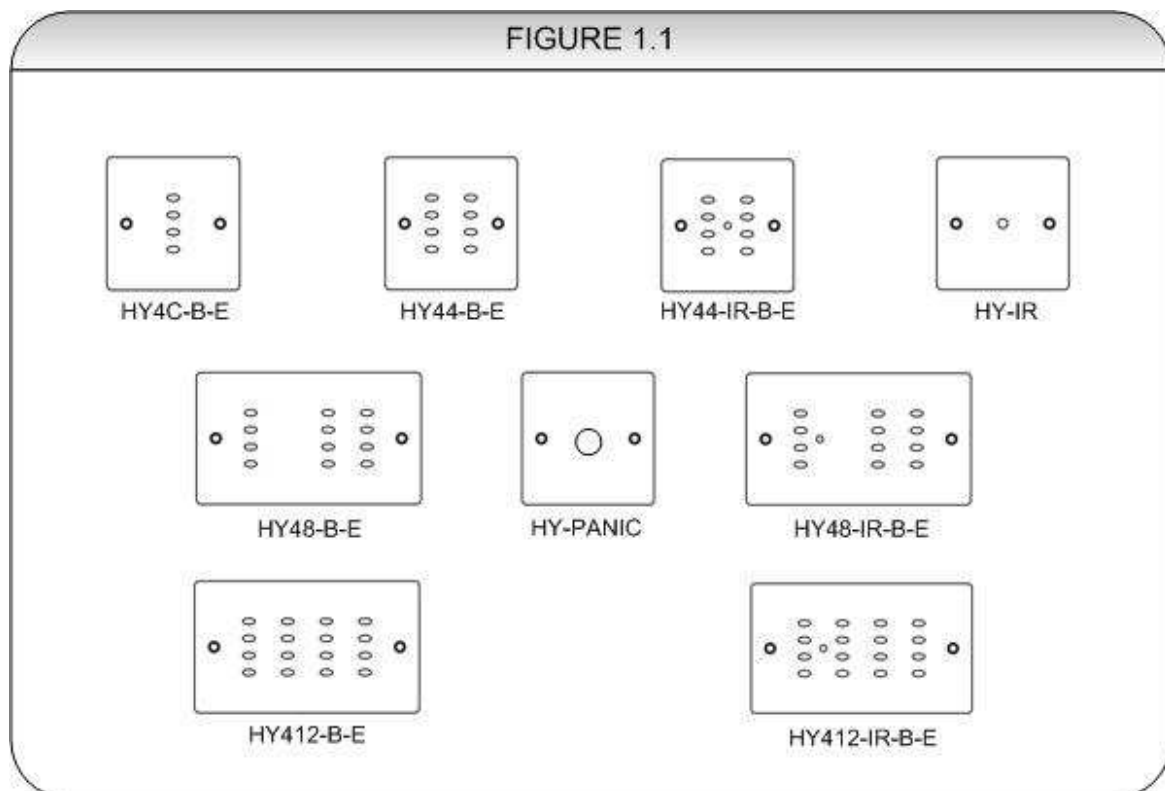
## Introduction

Lucid Lighting has developed a range of Control Plate modules that communicate with Lucid dimmer packs via the Lucid Hy-Net protocol. The modules are designed to be mounted upon any manufacturer's decorative switch plates, providing customers with the ability to match their chosen fixtures and fittings. Plates are available in standard single (88x88mm) or double (146x88mm) sizes, fitting standard 35mm deep back boxes. There is a positive click to all the buttons upon activation, which are LED backlit Blue, Green and Red as standard. These provide excellent visual and tactile feedback in all lighting conditions.

## Standard Control Plate Configurations

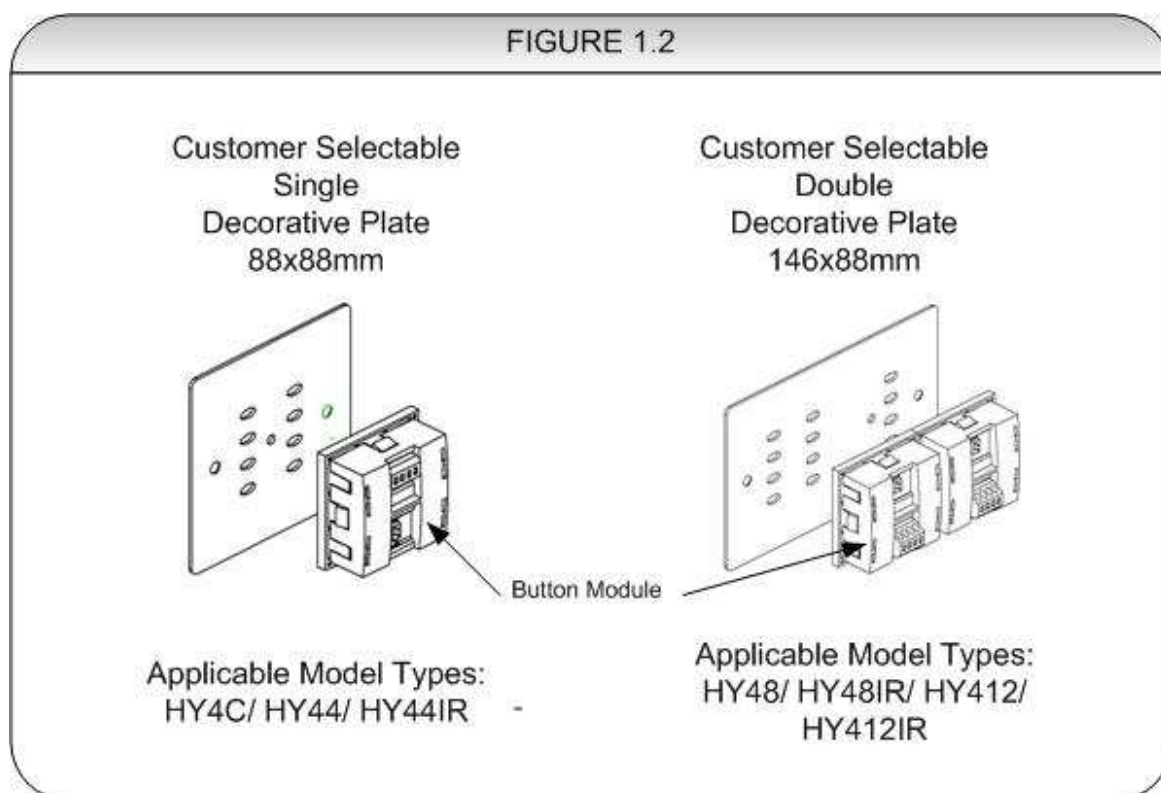
Lucid Lighting supplies a standard range of control plates suiting installations both large and small. The list below details each standard plate in the Lucid range. See Figure 1.1. Illustrates how each plate configuration is organised.

- **HY-4C-B-E**  
Four illuminated buttons. Recalls four scenes.
- **HY-44-B-E**  
Eight illuminated buttons. Recalls four scenes and four levels.
- **HY-44-IR-B-E**  
Eight illuminated buttons. Recalls four scenes, four levels and includes an Infra Red receiver for remote control operation.
- **HY-48-B-E**  
Twelve illuminated buttons. Recalls four scenes and eight levels.
- **HY-48-IR-B-E**  
Twelve illuminated buttons. Recalls four scenes, eight levels and includes an Infra Red receiver for remote control operation.
- **HY-412-B-E**  
Sixteen illuminated buttons. Recalls four scenes and twelve levels.
- **HY-412-IR-B-E**  
Sixteen illuminated buttons. Recalls four scenes, twelve levels and includes an Infra Red receiver for remote control operation.
- **HY-IR**  
Infra Red receiver for remote control operation.
- **HY-Panic**  
Large round illuminated red security button, acts as a deterrent to intruders. Turns all circuits on to maximum when pressed. Simultaneously disabling all other control plates until a reset is implemented.



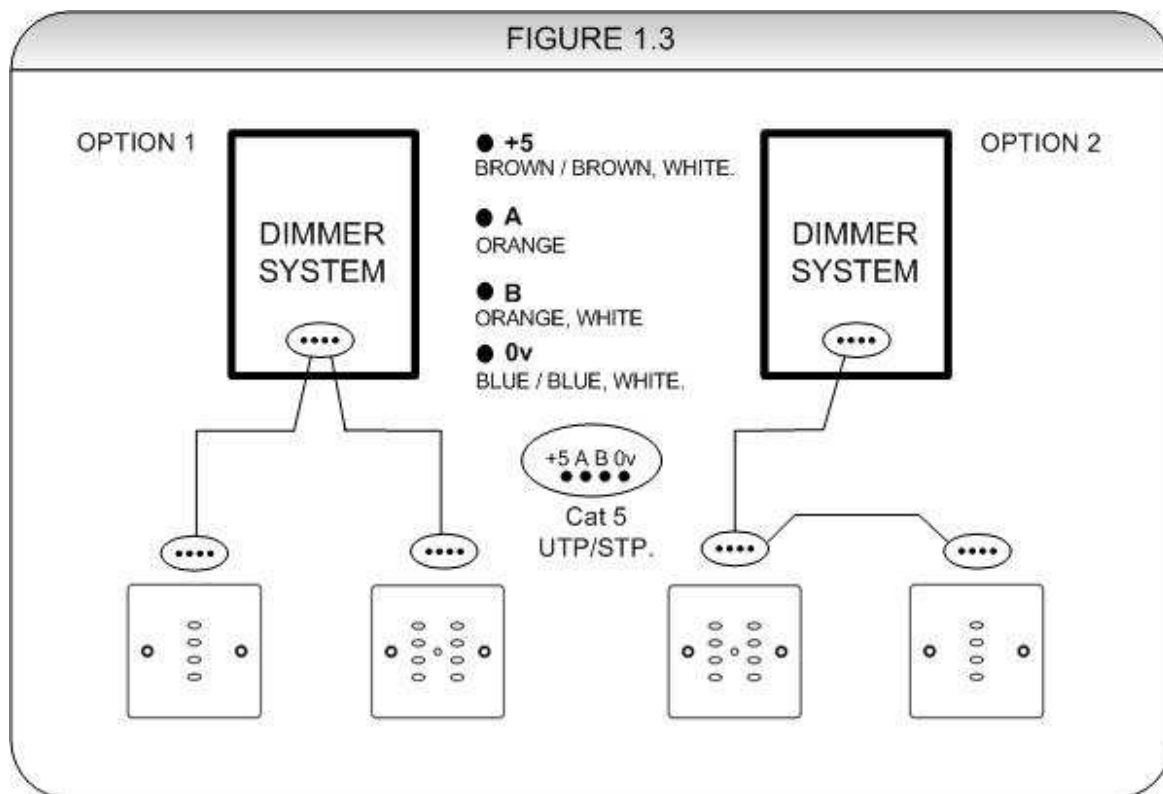
## Decorative Plate Finishes

To complement the standard control plates, Lucid has provided the customer with the ability to preselect decorative plate finishes from any manufacturer's range. **Matching fixtures and fittings is now possible, a first we think.** Figure 1.2. details plate size according to selected Control Plate configuration.



## Control Plate Wiring

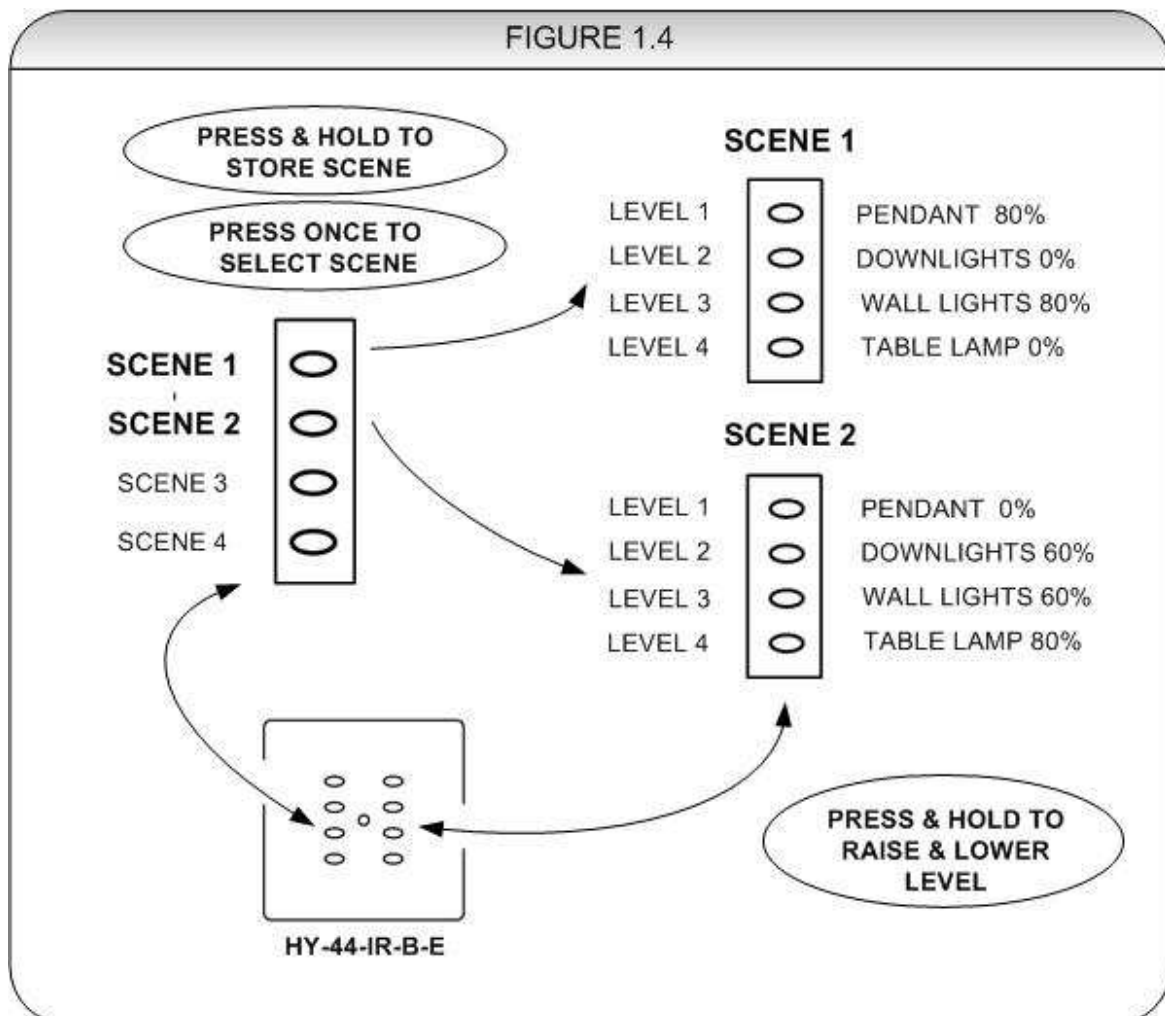
Control Plate wiring is a simple low voltage network utilising UTP or STP Cat5 cable. Control plates can be wired in a closed ring configuration or as a star configuration. Figure 1.3. details various methods of control plate termination.



## Control Plate Operation

Lucid has paid special attention to the design of its control plates. Providing an exceptionally easy to operate solution. Fig 1.4 illustrates how to operate a standard eight-button control plate. (HY-44-IR-B-E).

- **Right-hand buttons.** Each right-hand button raises and lowers the level of a single circuit. To adjust the level of a circuit, press and hold the appropriate button. If you want to change the direction in which the level is adjusted, release the button and press it again.
- **Setting a scene.** To set a scene, press the right-hand buttons one at a time until each channel is at the light level you want. To store the scene, press a left-hand button until its LED stops flashing (note: the scene previously set on that button is briefly recalled before the new scene is stored). If you want to create another scene, set the levels and store the new scene on another button
- **To switch a scene on.** Briefly press the appropriate left-hand button; its LED will shine brightly. To switch the lights off, press the button again.



## Control Plate Zone Assignment

All Lucid control plates can be assigned a zone from 1 to 250 simply by following the procedure below. This eliminates the need for software configuration on smaller systems, further simplifying installation.

- Press & hold 'Scene Recall Button 4' and simultaneously press 'Scene Recall Button 2' for approximately 5 seconds. When 'Scene Recall Button 1' starts to flash, release both buttons. Note that zone assignment mode is locked out after 20 scene selections on that plate, and cannot be selected. Power cycling the system will re-enable it.
- 'Scene Recall Buttons 1-3' will now flash with a pause between each flash sequence. Button 3 indicates 100's, button 2 indicates 10's and button 1 indicates units. For example, if there are 2 flashes on button 2, followed by 6 flashes on button 1, this denotes zone 26.
- To increase the Zone assignment, press 'Scene Recall Button 2' (INC), and to decrease, press 'Scene Recall Button 3' (DEC).
- The INC and DEC buttons initially change the zone number by 1. Press 'Scene Recall Button 4' to make the zone number change by 10 each time INC or DEC is pressed. 'Scene Recall Button 4' is illuminated when the x10 multiplier is in effect.
- To fix the new Zone Assignment, and Exit this mode, press 'Scene Recall Button 1'.

## Enable / Disable IR Handset Control

Lucid control plates which have an IR receiver will respond to a Lucid remote handset. If may wish to disable this function in some situations, e.g. where a control in the hallway picks up reflected IR signals from the lounge. Follow the procedure below:

- Enter zone assignment mode as described above.
- Press the 'OFF' button on the IR handset to disable scene changes using the handset.
- Press the 'ON' button on the IR handset to enable IR scene changes.
- To exit this mode, press 'Scene Recall Button 1'.

## Custom Control Plate Design

Lucid offers customised plate configurations for a modest fee. Special function buttons can be implemented or even special button arrays can be implemented. Please contact our sales team for further information.



[www.lucid-lighting.com](http://www.lucid-lighting.com)

LS Design (UK) Limited, 12 Ty Coch Way, Cwmbran, Gwent, NP44 7HB  
T. 01633 877 997 E. [lucid@ls-design.co.uk](mailto:lucid@ls-design.co.uk)  
E&OE